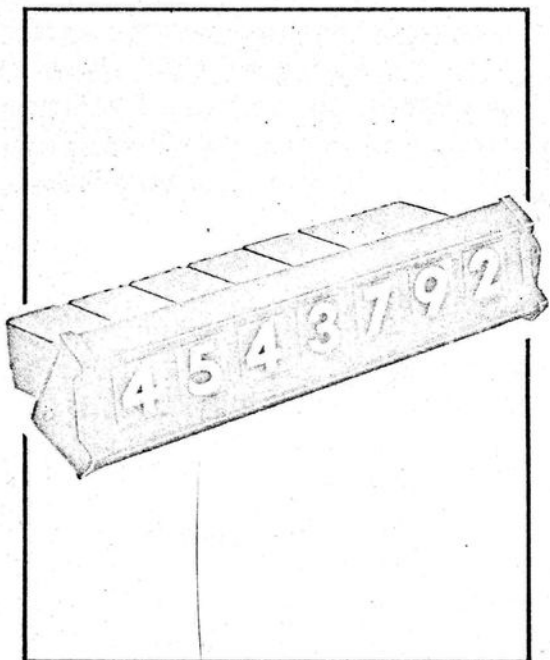




READ OUT DEVICES



SPHERICULAR OPTIC DISPLAY ASSEMBLIES

Sphericular optic display assemblies present an attractive and effective means of displaying numerals, word messages, and/or symbols. These assemblies consist of any number of SD-12 sphericular optic displays (Bulletin #1026) mounted in a bezel with a strip of plexiglas to protect the viewing screen.

The new assembly retains all the features of the single SD-12, while saving both electrical and mechanical design time.

SPECIFICATIONS

Character height — numerals (0-9), letters and symbols
0.725 inches.

Special messages — an area .750 inches by .750 inches is available for special messages.

These messages may constitute up to three lines of 5 characters. Each SD-12 can display up to 12 distinct messages.

Standard messages — white on black background
black on white background

Color messages — red, green, blue, and amber (either background or character).

Bezel and panel cutout dimensions — Table 1

Input signal for bulbs — Table 2

Bezel outline — Figures 1 and 2

PRODUCT DESCRIPTION AND ORDERING INFORMATION

BEZEL

Standard assemblies consist of 2 or more SD-12 displays mounted adjacently in a bezel with a plexiglas strip. These bezels are identified as BEZ-12-X, where X is the number of SD-12's. For example, a BEZ-12-5 would designate a 5 unit assembly. When ordering any modification of standard assemblies; e.g., SD-12 units not mounted, a detailed description of the desired modification is required. A special dash number, to be assigned by the Burroughs' Order Department, will be added to the standard assembly number for each modification. Once this number has been assigned, it can be used for all reorders.

SD-12

Sphericular optic displays are referred to generally as SD-12. They differ in the type of presentation (white on black, black on white, or color), the messages they contain, and the type of lamps used. To simplify ordering, all white on black displays carry the suffix W, while black on white carry the suffix B. This is followed by a four digit number which indicates the messages they contain. As an example: the part number

for an SD-12 containing the numerals (0-9) plus a decimal point, white numerals on a black background, is SD-12-W-1000. The part number for black on white numerals is SD-12-B-1000 (no decimal point is available with black on white units).

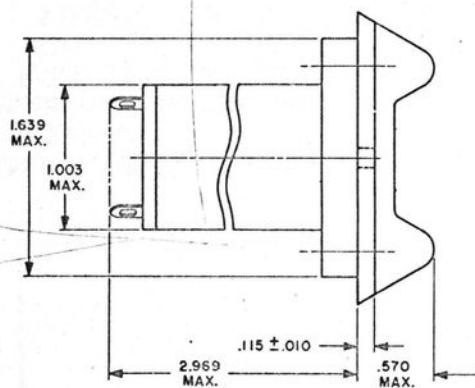
For special units containing messages or color, this four digit number will be assigned following receipt of an order. For ordering purposes, special units should always be termed SD-12W or B with the message and/or color listed. If color is required, it replaces the white. For example, "SD-12-W with red" indicates a red character on a black background, while "SD-12-B with red" indicates a black character on a red background.

Orders should also reference the lamp type required, (see Table 2 for choices). When no specific lamp type or voltage rating is specified, the order will be filled with 6 volt lamps (type L6). An additional suffix to designate lamp type is added; i.e., SD-12-W-XXXX-L3, L6, L14 or L28 for 3, 6, 14 and 28 volt lamps respectively. For aged bulbs, an A is added to the lamp designation: e.g., 14A.

Each SD-12 unit in the bezel should be specified separately (message and position) to avoid any possible errors.

OUTLINE DIMENSIONS				
UNITS	DIM. A	DIM. B	DIM. C	DIM. D
2	3.089	3.441	3.064	3.858
3	4.094	4.446	4.069	4.863
4	5.099	5.451	5.074	5.868
5	6.104	6.456	6.079	6.873
6	7.109	7.461	7.084	7.878
7	8.114	8.466	8.089	8.883
8	9.119	9.471	9.094	9.888
9	10.124	10.476	10.099	10.893
10	11.129	11.481	11.104	11.898

Table 1. CUTOUT & BEZEL DIMENSIONS



SIDE VIEW WITH SD-12's MOUNTED

LAMP	RATING	LIFE (HOURS)	MEAN SPHERICAL CANDLE POWER
L3	3V-300 ma	1000	.34
L6	6V-200 ma	8750	.43
L14	14V-80 ma	750	.5
L28	28V-40 ma	1000	.34

Note 1. Aged and selected bulbs for greater reliability are available on request.

Table 2. LAMP INFORMATION

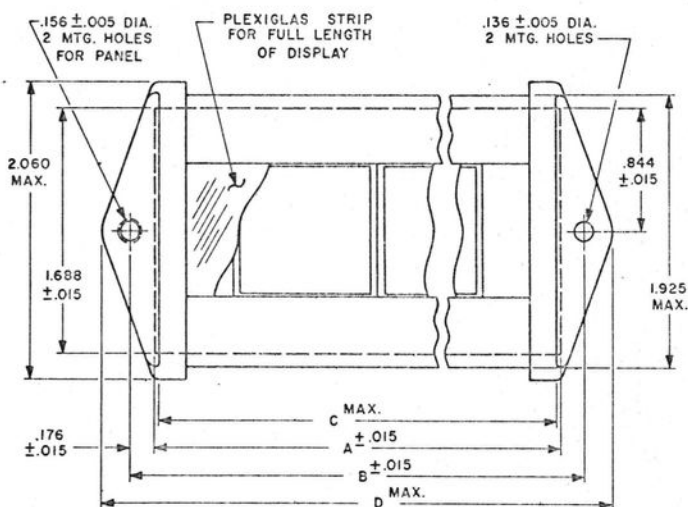


Figure 2. OUTLINE DRAWING — FRONT VIEW

MOUNTING INFORMATION

1. Make a panel cutout "A" in. long by $1.688 \pm .015$ high.
2. Place the assembly into the cutout and secure to panel with two No.4 hold down screws "B" in. apart.
3. Depth behind panel is 2.969" max. (less panel thickness).
4. Clearance in front of panel is .570" max.
5. Bulbs are changed by removing the lamp assembly in the rear of each SD-12. This assembly is held in place by two bayonet type springs.



Burroughs Corporation

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